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Tehnici de biologie moleculară – principii şi aplicații practice

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2-ME - β-mercaptoetanol
α–La - α-lactalbumină
α-MSH – α-*Melanocyte-Stimulating Hormone*
β–Lg – β–lactoglobulină
ADN – acid deoxiribonucleic
ADNc – ADN complementar
ADNmt - ADN mitocondrial
AFLP - *Amplified Fragment Lenght Polymorphism*
APS – adenozin-5′-fosfosulfat
ARN – acid ribonucleic
ARNm – acid ribonucleic mesager
ARNr – acid ribonucleic ribozomal
ARNsn – acid ribonucleic *small nuclear*
ARNt – acid ribonucleic de transfer
ARS – *Autonomus Replicating Sequence*
ASIP – *Agouti Signaling Protein*
BAC – *Bacterial Artificial Chromosome*
BLAD – *Bovine Leukocyte Adhesion Deficiency*
BLAST – *Basic Local Alignment Search Tool*
BMP15 – *Bone Morphogenetic Protein 15*
BMRP1B – *Bone Morphogenetic Protein Receptor 1B*
cAMP – ciclic adenozin 5′ monofosfat
CBS – *Conserved Block Sequences*
CCD – *Charge Coupled Device*
CCS – *Central Conserved Sequence*
CE-SSCP – *Capillary Electrophoresis - Single Strand Conformation Polymorphism*
CGH – *Comparative Genomic Hybridization*
ChiP – *Chromatine Immunoprecipitation*
Ct - *Threshold Cycle*
CTAB – bromură de cetil-trimetil-amoniu
ddNTP - 2′-3′dideoxiribonucleotid-trifosfat
DEPC – dietilpirocarbonat
DGGE – *Denaturating Gel Gradient Electrophoresis*
DMSO – dimetil-sufoxid
dNTP – deoxinucleotid-trifosfaţi
DTT – ditiotreitol
EDTA – acid etilen-diamino-tetraacetic
ER – receptor estrogen
ESU – *Evolutionary Significant Units*
FAO – *Food and Agriculture Organization*

FCA – *Factorial Correspondence Analysis*
FDD-PCR – *Fluorescent Differential Display* PCR
FISH – *Fluorescent In Situ Hibridization*
FISH-BOL – *Fish Barcode of Life Initiative*
FITC – Fluorescein izotiocianat
FRET – *Fluorescence Resonance Energy Transfer*
GDF9 – *Growth Differentiation Factor 9b*
GSU – *Genetic Stocking Units*
HM – hipertermia malignă
HYPP – *Hyperkalemic Periodic Paralysis*
HMDS – hexametil-disilazan
ISH – *In Situ Hibridization*
IUPAC – *International Union of Pure and Applied Chemistry*
JEB – *Junctional Epidermolysis Bullosa*
LAMC2 – Laminin subunit gamma-2
LATE-PCR – *Linear After The Exponential* PCR
LINE – *Long Interspersed Nuclear Elements*
lncARN – *Long Non Coding* ARN
LOH – *Loss Of Heterozygosity*
MC1R – receptor pentru melanocortină
MCMC – *Markov Chain Monte Carlo*
MCS – *Multiple Cloning Site*
MIAME – *Minimum Information About a Microarray Experiment*
miARN – micro ARN
MJ – *Median-Joining*
ML – *Maximum Likelyhood*
MP – *Maximum Parcimony*
NCBI – *National Center for Biotechnology Information*
NGS – *Next Generation Sequencing*
NJ – *Neighbor Joining*
NMP – nucleozid-5′ monofosfat
oligo-dT – oligodeoxitimidină
PAA – *Population Aggregation Analysis*
PAC – *P1 Artificial Chromosome*
PAGE – *Polyacrylamide Gel Electrophoresis*
pb – perechi de baze
PCR – *Polymerase Chain Reaction*
PCR-RFLP – PCR-*Restriction Fragment Lenght Polymorphism*
Pd – *Power of Discrimination*
PE – *Power of Exclusion*
PEG – polietilen glicol
PFA – paraformaldehidă

PFGE – *Pulsed Field Gel Electrophoresis*

pM – *Matching Probability*
PMI – interval postmortem
poliA – poliadenozină
PSE – *Pale Soft Exsudative*
PSS – *Porcine Stress Syndrom*
PVDF – difluorură de polivinidilenă
qPCR – *quantitative* PCR
QTL – *Quantitative Trait Loci*
RACE – *Rapid Amplification of cDNA Ends*
RAPD – *Random Amplified Polymorphic DNA*
RFLP – *Restriction Fragment Lenght Polymorphism*
RIN – *RNA Integrity Number*
RT-PCR – PCR revers transcris
RyR1 – *Ryanodine Receptor 1*
SCID – *Severe Combined Immunodeficiency*
SDS – sodiu dodecil sulfat
SDS-PAGE – *Sodium Dodecyl Sulfate - Polyacrylamide Gel Electrophoresis*
siARN – *silencing* ARN
SINE – *Short Interspersed Nuclear Elements*
SNP – *Single Nucleotide Polymorphism*
SOLiD – *Sequencing by Oligonucleotide Ligation and Detection*
SSC – *Saline Sodium Citrate*
SSCP – *Single Strand Conformation Polymorphism*
STR – *Short Tandem Repeats*
TAS – *Termination Associated Sequence*
TEMED - N,N,N′,N′- tetrametiletilendiamină
TGFβ – *Transforming Growth Factor Beta*
TGGE – *Temperature Gel Gradient Electrophoresis*
Tm – temperatură de topire (*melting*)
TRIS – Tris(hidroximetil)aminometan
TRITC – Tetrametil-rodamin-izotiocianat
UV – ultraviolet
WoRMS – *World Register of Marine Species*
X-gal - 5-bromo-4-cloro-3-indolil-β-D-galactopiranozid
YAC – *Yeast Artificial Chromosome*
ZMW – *Zero-Mode Waveguide*

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